

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/006229

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl.⁷ C07K16/28, A61K39/395, A61P1/04, 1/18, 13/12, 17/06, 19/02,
29/00, 31/04, 31/18, 35/00, 37/02, 37/06//C12N15/09, C12P21/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl.⁷ C07K16/28, A61K39/395, A61P1/04, 1/18, 13/12, 17/06, 19/02,
29/00, 31/04, 31/18, 35/00, 37/02, 37/06//C12N15/09, C12P21/08

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho 1922-1996 Jitsuyo Shinan Toroku Koho 1996-2005
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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI (DIALOG), BIOSIS (DIALOG), JICST FILE (JOIS)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 05-227970 A (Chugai Pharmaceutical Co., Ltd.), 07 September, 1993 (07.09.93), Par. Nos. [0140] to [0143], [0170] to [0171] & WO 1992/019759 A1 Page 64, line 3 to page 65, line 15; example 10 & US 5795965 A1 & EP 0628639 A1	1-6
Y	JP 2002-510211 A (Genentech, Inc.), 02 April, 2002 (02.04.02), Page 77, line 14 to page 79, line 10 & WO 1999/001556 A2 & US 5994511 A1	1-6

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "I" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "Z" document member of the same patent family

Date of the actual completion of the international search
19 May, 2005 (19.05.05)

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07 June, 2005 (07.06.05)

Name and mailing address of the ISA/
Japanese Patent Office

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/006229

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	MERKLER et al., Recombinant type A rat 75-kDa alpha-amidating enzyme catalyzes the conversion of glycine-extended peptides to peptide amides via an alpha-hydroxyglycine intermediate, Arch.Biochem.Biophys., Vol.289, No.1, 15 August, 1991 (15.08.91), pages 192 to 196 ✓	1-6
Y	MILLER et al., Characterization of a bifunctional peptidylglycine alpha-amidating enzyme expressed in Chinese hamster ovary cells, Arch.Biochem.Biophys., Vol.298, No.2, 01 November, 1992 (01.11.92), pages 380 to 388 ✓	1-6
Y	RAY et al., Production of salmon calcitonin by direct expression of a glycine-extended precursor in Escherichia coli, Protein Expr. Purif., Vol.26, No.2, 2002.11, pages 249 to 259 ✓	1-6
Y	JP 2002-525104 A (SmithKline Beecham Corp.), 13 August, 2002 (13.08.02), Par. No. [0123] & WO 2000/018804 A1 ✓ & US 6365154 B1 ✓	1-6
Y	JP 06-319396 A (Japan Tobacco Inc.), 22 November, 1994 (22.11.94), Par. No. [0028] (Family: none) ✓	1-6
Y	ADAMCZYK et al., Complete sequencing of anti-vancomycin fab fragment by liquid chromatography-electrospray ion trap mass spectrometry with a combination of database searching and manual interpretation of the MS/MS spectra, J.Immunol.Methods, Vol.260, No.1-2, 01 February, 2002 (01.02.02), pages 235 to 249 ✓	1-6
A	HIRATA et al., Characterization of IL-6 receptor expression by monoclonal and polyclonal antibodies, J.Immunol., Vol.143, No.9, 01 November, 1989 (01.11.89), pages 2900 to 2906 ✓	1-6